

Notice of Allowability

Application No.

09/625,135

Examiner

A. Dexter Tugbang

Applicant(s)

JAPP ET AL.

Art Unit

3729

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Supplemental Appeal Brief filed on 7/22/04.
2. ☒ The allowed claim(s) is/are 8-17.
3. ☒ The drawings filed on 07 August 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ ~~DEPOSIT OF~~ and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 8/14/01
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

This application is in condition for allowance except for the presence of claims 1-7 directed to an invention non-elected without traverse.

Accordingly, Claims 1-7 have been cancelled.

In Claim 8, the term "curable" (line 6) has been deleted; and the punctuation of the comma "," (line 7) has been deleted.

NOTE: The above change to Claim 8 is to correct informalities with the grammar and does not affect the scope of the claimed invention.

Information Disclosure Statement

2. The Information Disclosure Statement filed on 8/14/01 by the applicants' is being resubmitted herein by the examiner to include the initialization of the DiStefano et al'928 reference.
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Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance: the prior art does not teach all of the limitations of the claimed invention including providing dielectric between the signal and voltage planes, providing dielectric on each external surface of each signal plane,

Art Unit: 3729

providing a non-cured or partially cured dielectric composition between the subassemblies wherein the dielectric composition comprises the same dielectric used in the subassemblies.

The applicants' arguments filed in the Supplemental Appeal Brief on 7/22/04 regarding the prior art rejections have been found to be persuasive. Accordingly, the previous rejections, particularly to Hoffarth et al (U. S. Patent 4,868,350) have been withdrawn.

In addition to the applicants' remarks in the Supplemental Appeal Brief, the examiner notes the following with respect to the merits of Hoffarth et al.. While Hoffarth does teach a non-cured dielectric composition of chlorotrifluoroethylene (middle layer between cores 20 in Fig. 4 and see col. 4, lines 45-48) between the subassemblies, Hoffarth also teaches that the dielectric between the signal and voltage planes 11b, 11c and the dielectric on each external surface of each signal plane 11a, 11d can be of the same dielectric composition of chlorotrifluoroethylene. However, upon further consideration by the examiner, the dielectric composition 11a-11d also includes the dielectric of sheets 12a, 12b in which all of these together (11a-11d and 12a-12b), make up the dielectric between the signal and voltage planes. Hoffarth teaches that dielectric sheets 12a, 12b are made up of a composition that does not include chlorotrifluoroethylene (see col. 4, lines 5-15). Therefore, Hoffarth does not teach that the dielectric composition between the subassemblies is the same dielectric used in the subassemblies (required at lines 6-7 of Claim 8) being that the dielectric compositions are to be exactly the same (see applicants' specification on page 3, lines 29-30).

Accordingly, Claims 8-17 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

Art Unit: 3729

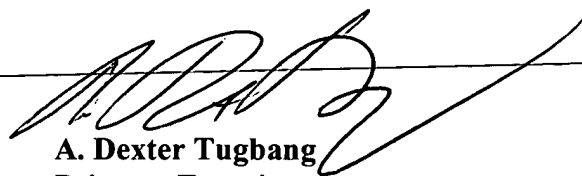
fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to A. Dexter Tugbang whose telephone number is 703-308-7599.

The examiner can normally be reached on Monday - Friday 7:00 am - 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 703-308-1789. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



A. Dexter Tugbang
Primary Examiner
Art Unit 3729

September 30, 2004